



AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005

4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 5548

Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-02-26-08 **Date:** 01-03-18

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 8th cross left side in Santosh Nagara in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-02-18

Sample ID No : 2018-02-26-08 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption

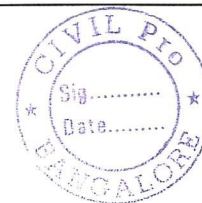
Date of test : 26-02-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	82	82	8.2	91.8	90-100	90-100	90-100	95-100
3	2.36 mm	126	208	20.8	79.2	60-95	75-100	85-100	95-100
4	1.18 mm	155	363	36.3	63.7	30-70	55-90	75-100	90-100
5	600 micron	178	541	54.1	45.9	15-34	35-59	60-79	80-100
6	300 micron	184	725	72.5	27.5	5-20	8-30	12-40	15-50
7	150 micron	176	901	90.1	9.9	0-10	0-10	0-10	0-15
18	Pan	99	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-02-26-08

Date: 01-03-18

Sample ID No : 2018-02-26-08 /03

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.15	—
2	Specific Gravity	2.57	—
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 90 days from the date of issue of test certificate

KE-13

ಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಪಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು



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Quality Manager

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****End of Report****



Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : CP-2018-02-26-08 Date: 03-03-18

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 8th cross left side in Santosh Nagara in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 26-02-18

Sample ID No : 2018-02-26-08 /06

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 27/02/2018

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm ²)	(N/mm ²)	(N/mm ²)
1	Cover Slab-1	75.52	100.42	1.416	4478	97.4	21.7	20.2	25.3
2	Cover Slab-2	75.48	100.48	1.382	4474	99.3	22.2	20.6	25.8
3	Cover Slab-3	75.42	100.46	1.378	4467	96.5	21.6	20.1	25.1

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪಾಲಿಕ್ಯುಲರ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ವಿ.ಸಿ.ಎಂ.ಸಿ. ರಸ್ತೆಯಲ್ಲಿ, ಬೆಂಗಳೂರು



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: T- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-10-02 **Date:** 12/03/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 8th cross left side in Santosh Nagara in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-18

Sample ID No : 2018-03-10-02 /01

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	05/03/2018	12/03/2018	150.18 X 150.17 X 150.15	22553	8.289	392.4	17.4	17.5
2	Drain Concrete	M20	05/03/2018	12/03/2018	150.22 X 150.24 X 150.26	22569	8.388	390.4	17.3	
3	Drain Concrete	M20	05/03/2018	12/03/2018	150.22 X 150.10 X 150.13	22548	8.256	403.6	17.9	

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 ಶಿಬಿರ ಕಟ್ಟಡ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಪಾಲಿಕೆ
 ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
 ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.



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Certificate No.: T- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-03-10-02 **Date:** 02/04/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 8th cross left side in Santosh Nagara in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-18

Sample ID No : 2018-03-10-02 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	05/03/2018	02/04/2018	150.20 X 150.22 X 150.28	22563	8.446	494.1	21.9	22.3
2	Drain Concrete	M20	05/03/2018	02/04/2018	150.21 X 150.24 X 150.29	22568	8.399	512.3	22.7	
3	Drain Concrete	M20	05/03/2018	02/04/2018	150.24 X 150.18 X 150.22	22563	8.365	500.9	22.2	

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AE-13
ಕಾರ್ಯಕರ್ತೃಗಳಿಂದ ಪಾಲಕ ಅಭಿಯಂತರರು
ಪ್ರತಿಪಕ್ಷ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಜೇಂದ್ರನಗರ, ಬೆಂಗಳೂರು



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Lab ID : CP-2018-03-10-02 **Date:** 12/03/2018

Customer : Assistant Executive Engineer, Shettyhalli Sub division, BBMP, Bangalore.

Address : Shettyhalli Sub division, BBMP, Bangalore.

Project Name : Construction of RCC drains at 8th cross left side in Santosh Nagara in Ward no.13 Shettyhalli Sub division.

Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-18

Sample ID No : 2018-03-10-02 /03

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/03/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	05/03/2018	12/03/2018	150.22 X 150.54 X 150.55	22614	8.205	391.2	17.3	17.5
2	Drain Concrete	M20	05/03/2018	12/03/2018	150.22 X 150.54 X 150.55	22614	8.145	384.4	17.0	
3	Drain Concrete	M20	05/03/2018	12/03/2018	150.22 X 150.54 X 150.55	22614	8.226	409.3	18.1	

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Address : Shettyhalli Sub division, BBMP, Bangalore.

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Agency : Sri. Nischal.K Lakshman, No.3667, 5th cross, 'B' block, Gayatrinagara, Bengaluru-21

Customer's Reference : EE/DD/WO/268/17-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-03-18

Sample ID No : 2018-03-10-02 /04

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/04/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	05/03/2018	02/04/2018	149.85 X 151.22 X 150.36	22660	8.214	532.5	23.5	23.2
2	Drain Concrete	M20	05/03/2018	02/04/2018	150.47 X 150.99 X 149.86	22719	8.205	515.7	22.7	
3	Drain Concrete	M20	05/03/2018	02/04/2018	150.47 X 150.56 X 150.47	22655	8.342	532.4	23.5	

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